

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of the Claims

Claim 1 (currently amended) A cryogenic receiver front-end comprising

- a heat sink, the heat sink comprising a mounting surface and a plurality of fins;
- a cryocooler mounted to the mounting surface of the heat sink;
- a heat rejector ~~surrounding~~ attached to the cryocooler, the heat rejector including a plurality of c-shaped recesses therein;
- a plurality of heat pipes, each heat pipe having first and second ends, the first ends of the plurality of heat pipes disposed in respective c-shaped recesses of the heat rejector, the second ends of the plurality of heat pipes being thermally coupled to the heat sink, the plurality of heat pipes having a working fluid disposed therein; and
- an enclosure unit mounted to the heat sink.

Claim 2 (original) The thermally conductive interface of claim 1, wherein the heat rejector is made of a metal.

Claim 3 (original) The cryogenic receiver front-end of claim 2, the heat rejector being formed from annealed copper.

Claim 4 (original) The cryogenic receiver front-end of claim 1, the plurality of heat pipes being formed from OFHC copper.

Claim 5 (cancelled)

Claim 6 (original) The cryogenic receiver front-end of claim 1, wherein the cryogenic receiver front-end is disposed inside a structure.

Claim 7 (original) The cryogenic receiver front-end of claim 1, wherein the cryogenic receiver front-end is disposed in an outside environment.

Claim 8 (original) The cryogenic receiver front-end of claim 1, wherein the cryogenic receiver front-end is disposed in or adjacent to a base station.

Claim 9 (original) The cryogenic receiver front-end of claim 1, wherein the cryogenic receiver front-end is mounted to a pad.

Claim 10 (original) The cryogenic receiver front-end of claim 1, wherein the cryogenic receiver front-end is mounted to a wall.

Claim 11 (original) The cryogenic receiver front-end of claim 1, wherein the cryogenic receiver front-end is mounted to a pole.

Claim 12 (original) The cryogenic receiver front-end of claim 1, wherein the working fluid is selected from the group consisting of methanol, ammonia, water, nitrogen, neon, and ethane.

Claims 13-24 (cancelled)

Claim 25 (new) The cryogenic receiver front-end of claim 1, further including a high temperature superconductor filter system.